

FIG. 1

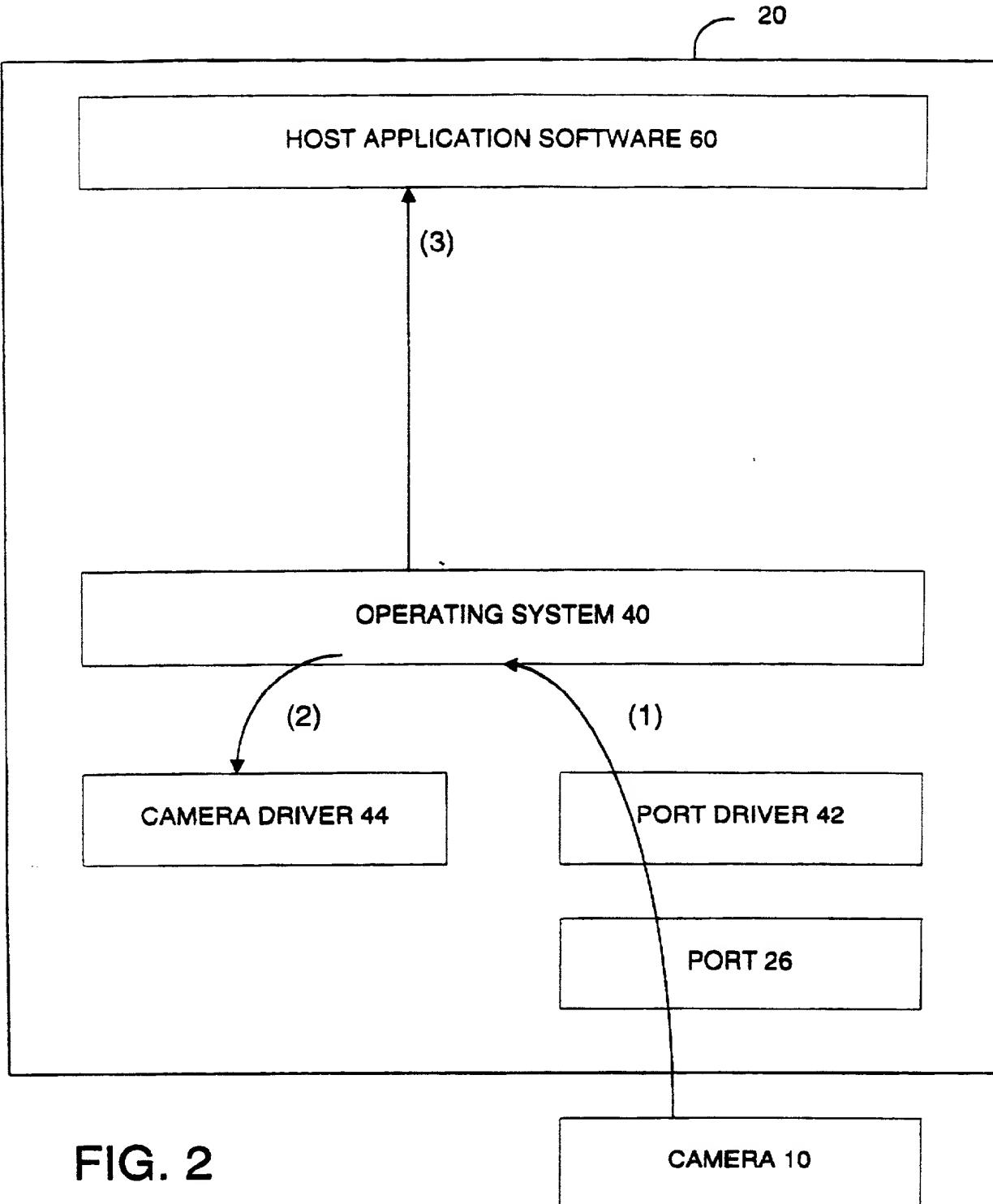


FIG. 2

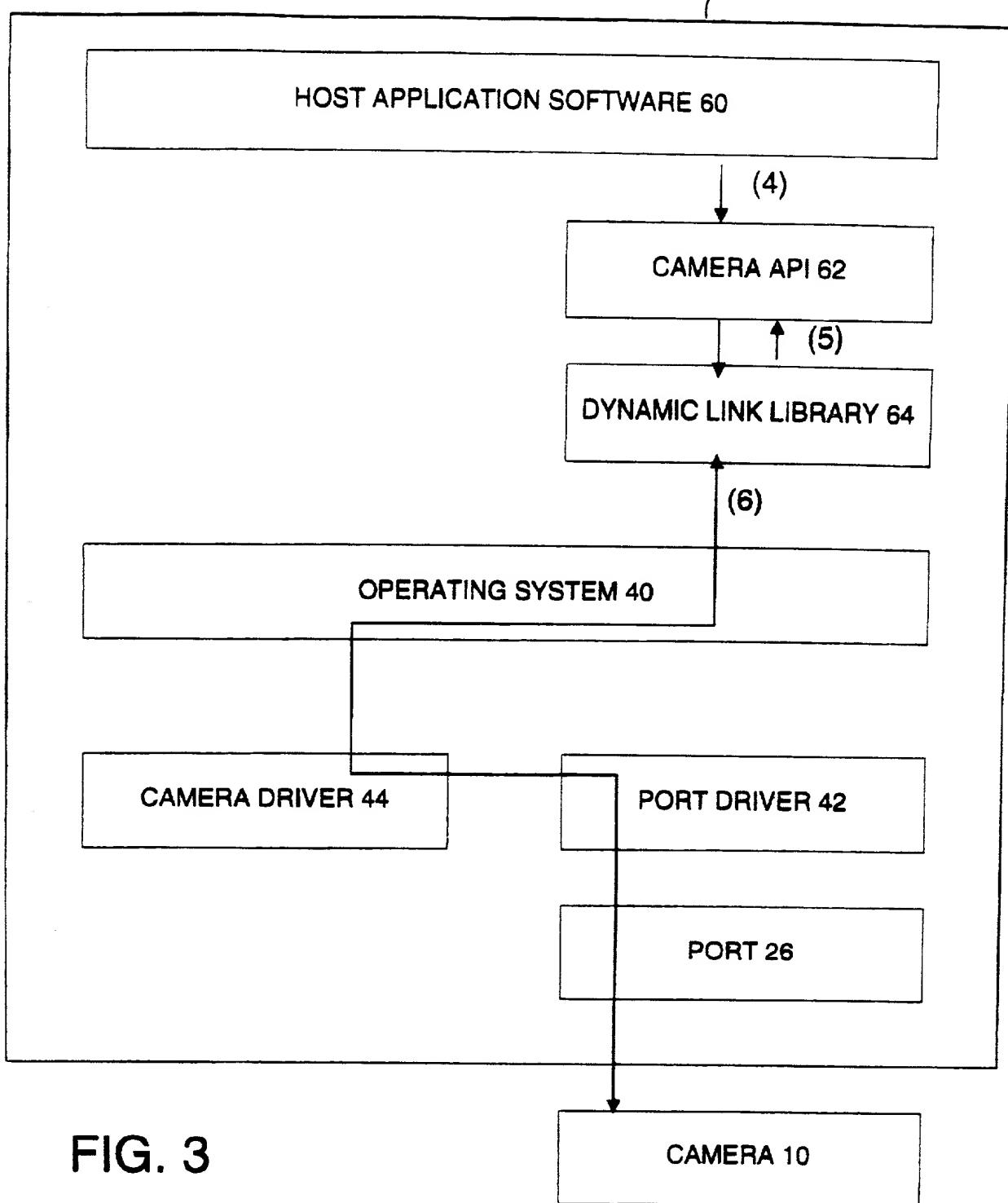


FIG. 3

OPERATING SYSTEM	HOST APPLICATION S/W	CAMERA API
Open Host Application S/W →	Create and Initialize CameraAPI → Add main window to CameraAPI's callback list	Reset internal variables → Load O/S dependent DLLs → Create & start backgrd thread → Insert a CM_SIGNAL_STATUS message into backgrd-threaded queue

FIG. 4

CAMERA API	HOST APPLICATION SOFTWARE
CM_SIGNAL_STATUS	
If Camera is not Open	
If OpenDriver() succeeds	
Close Driver()	
If message has not been sent before	
Signal all callback windows	→ WM_CAMERAAPI_STATUS
CM_OPEN_DRIVER	← If Message is CM_IS_CONNECTED
Open camera driver	OpenDriver()
Check for compatible camera	
CM_GET_NO_OF_IMAGES	← Get number of images
Returns number of images on camera	
CM_GET_IMAGE_LIST	← If number of images > 0
Returns list of image names and sizes	Get Image List
CM_GET_IMAGE_BY_NAME	← Download images, one-by-one
Returns image with given name	

FIG. 5

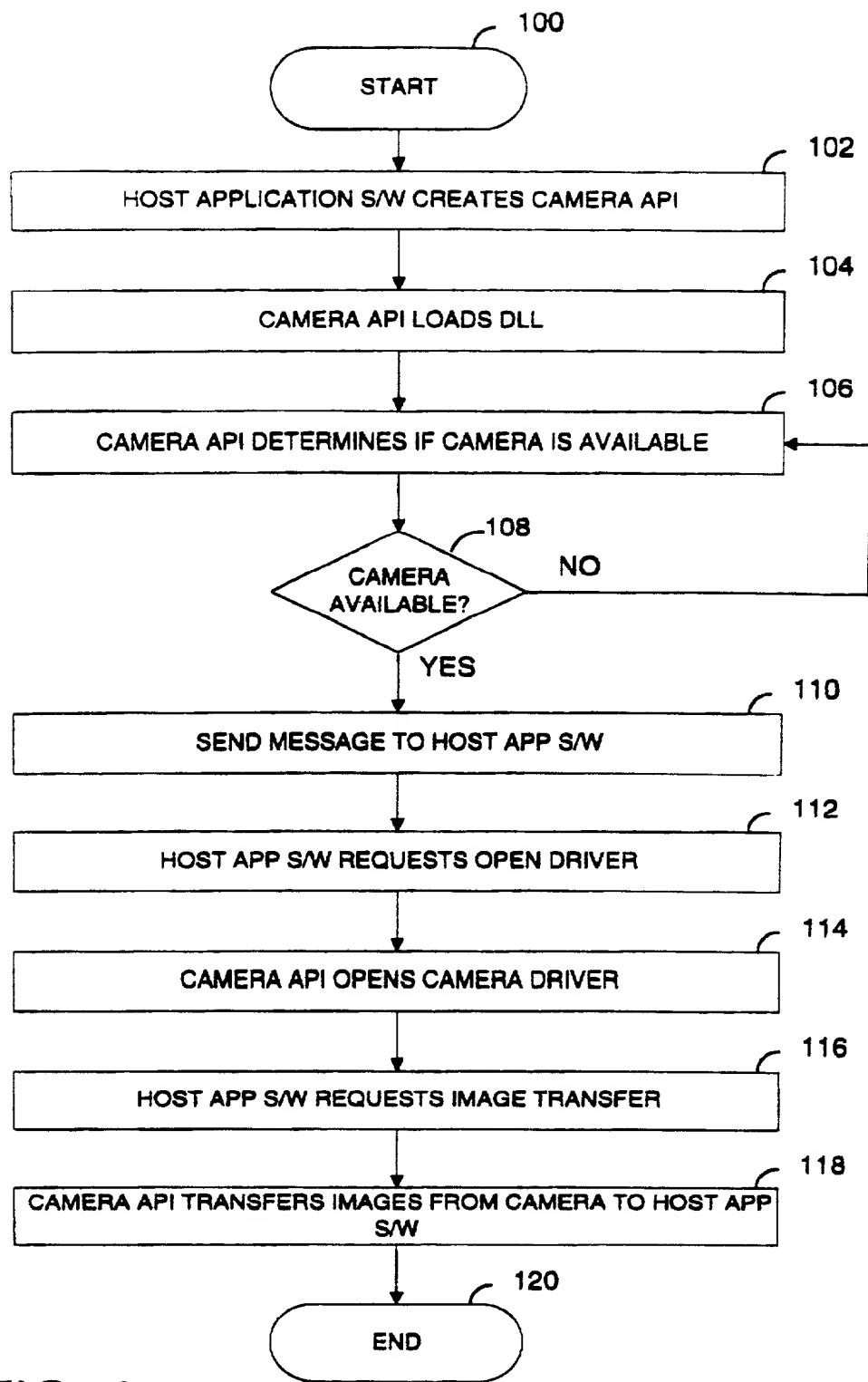


FIG. 6

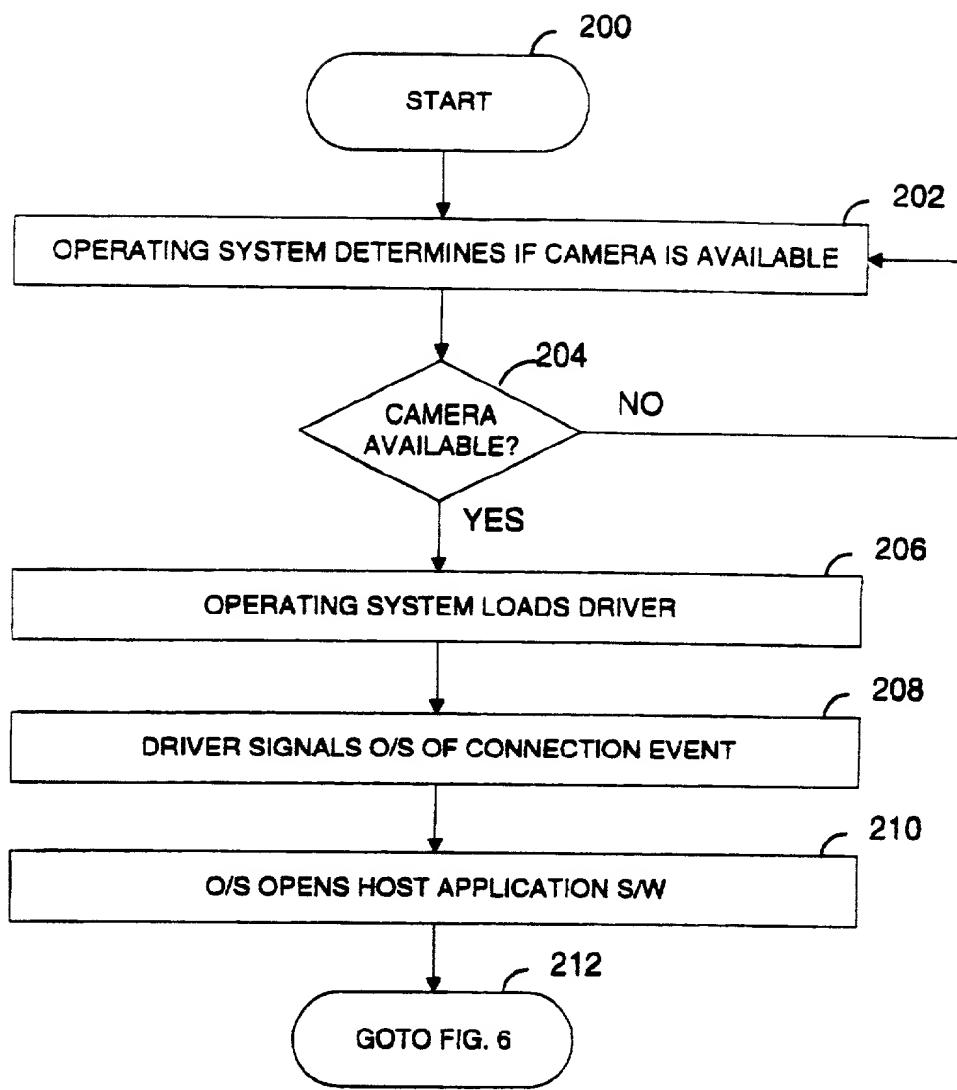


FIG. 7